



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB 92700-10349-041

Job Sheet 190288



Part No: RB 92700-10349-041

Job Qty: 1 pcs

Part Name: Seal Remover Set



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/6/19

Job Tracking No: SIOP

Due Date: 3/15/19

Created By: Dara Macdonald

Type: Stock

Description:

Note: DWG RB 92700-10349-041 Rev.A.IPP Rev. A 18.10.29 New issue DP Verify DD/DWG RB 92700-10349-041
Rev A. IPP Rev. B 18.11.08 New Drawing DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
95	Small Fab - 1	1 pcs	3/15/19		0.00	0.00	Small Fab - 1		MCC
							Small Fab - 2		
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
110	Small Fab - 2 - B4B	1 pcs	3/15/19		0.00	0.25	Small Fab - 1		MCC
							Small Fab - 2		
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
120	QC 5	1 pcs	3/15/19		0.00	0.00	QC 5 - 10		DAS 40 9-89
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 38		
							QC 5 - 42		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S160641



Part: RB 92700-10349-041

Job No: 190288

Serial No/Batch: S160641

Revision: A

Inspector:

Exp Date:

Instructions:

Date: 03/08/19

Plex 3/8/19 7:38 AM Dart.Hadley.Shannon

				QC 5 - 50		
				QC 5 - 30		
130	Packaging 3-1 - Stock - B4B	1 pcs	3/15/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140	QC 21 - FG	1 pcs	3/15/19	0.00 0.00	QC 21 - FG - 21	
					QC 21 - FG - 70	
					QC 21 - SA - 53	
Part Op 95 - (Small Fab) 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 into Pelican case APP-1485-E 3-Deburr holes and remove chips from case. 4-Rivet Dart placard to Pelican case 5-Glue placard RB 92700-10349-041-4 to RB 92700-10349-041-2 foam as per DWG. 6-Glue foam to case and pack case as per DWG. 110 - (Small Fab) 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 into Pelican case APP-1485-E 3-Deburr holes and remove chips from case. 4-Rivet Dart placard to Pelican case 5-Glue placard RB 92700-10349-041-4 to RB 92700-10349-041-2 foam as per DWG. 6-Glue foam to case and pack case as per DWG. 120 - (QC5- Inspect part completeness to step on W/O) 130 - (Identify as per dwg & Stock Location: _____) 140 - (QC21- Final Inspection - Work Order Release)						

Dwg #36

DAG 21 MAR 08 2019

GA 213

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
APP-1485-E	Pelican Case 1485	1 Ea (1 ea)	95-Small Fab - 1	
97524A032	Sealing Blind Rivet	4 Ea (4 ea)	110-Small Fab - 2 - B4B	
RB 92700-10349-041-12-PO	Seal Ring Remover Assembly	1 pcs (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10349-041-2	Top Foam use in case APP-1485-E	1 Ea (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10349-041-3	Bottom Foam use in case APP-1485-E	1 Ea (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10349-041-4	Position Placard	1 pcs (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10349-041-5-PO	Handle Assembly	1 pcs (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10349-041-8-PO	Seal Case Remover Assembly	1 pcs (1 ea)	110-Small Fab - 2 - B4B	
RB41011	Dart Tooling Placard, Aluminum	1 Ea (1 ea)	110-Small Fab - 2 - B4B	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
95-Small Fab - 1	APP-1485-E	1	1	0
110-Small Fab - 2 - B4B	97524A032	4	398	0
	RB 92700-10349-041-12	1	2	0
	RB 92700-10349-041-2	1	2	0
	RB 92700-10349-041-3	1	2	0
	RB 92700-10349-041-4	1	3	0
	RB 92700-10349-041-5	1	2	0
	RB 92700-10349-041-8	1	2	0
	RB41011	1	391	0

Part Specifications

Specifications could not be found.

Plex 3/8/19 7:38 AM Dart.Hadley.Shannon



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RB 92700-10349-041 Job Sheet 190288



Part No: RB 92700-10349-041

Job Qty: 2 pcs

Part Name: Seal Remover Set



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/6/19

Job Tracking No: SIOP

Due Date: 3/15/19

Created By: Dara Macdonald

Type: Stock

Description:

Note: DWG RB 92700-10349-041 Rev.A.IPP Rev. A 18.10.29 New issue DP Verify DD/DWG RB 92700-10349-041
Rev A. IPP Rev. B 18.11.08 New Drawing DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Small Fab - 1	2 pcs	3/15/19		0.00	0.50	Small Fab - 1		
							Small Fab - 2		
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
120	QC 5	2 pcs	3/15/19		0.00	0.00	QC 5 - 10		
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 38		
							QC 5 - 42		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
130	Packaging 3-1 - Stock - B4B	2 pcs	3/15/19		0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		

				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - FG	2 pcs	3/15/19	0.00 0.00	QC 21 - FG - 21	
				QC 21 - FG - 70	
				QC 21 - SA - 53	

Part Op 110 - (Small Fab) 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 into
 Descriptions: Pelican case APP-1485-E 3-Deburr holes and remove chips from case. 4-Rivet Dart placard to Pelican case 5-Glue
 placard RB 92700-10349-041-4 to RB 92700-10349-041-2 foam as per DWG. 6-Glue foam to case and pack case as per
 DWG.

120 - (QC5- Inspect part completeness to step on W/O)

130 - (Identify as per dwg & Stock Location: _____)

140 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
97524A032	Sealing Blind Rivet	8 Ea (4 ea)	110-Small Fab - 1	5145165
APP-1485-E	Pelican Case 1485	2 Ea (1 ea)	110-Small Fab - 1	5133003
RB 92700-10349-041-12	Seal Ring Remover Assembly Rev PD	2 pcs (1 ea)	110-Small Fab - 1	5140645
RB 92700-10349-041-2	Top Foam use in case APP-1485-E	2 Ea (1 ea)	110-Small Fab - 1	5133005
RB 92700-10349-041-3	Bottom Foam use in case APP-1485-E	2 Ea (1 ea)	110-Small Fab - 1	5133006
RB 92700-10349-041-4	Position Placard	2 pcs (1 ea)	110-Small Fab - 1	5138994
RB 92700-10349-041-5	Handle Assembly Rev PD	2 pcs (1 ea)	110-Small Fab - 1	5140652
RB 92700-10349-041-8	Seal Case Remover Assembly Rev. PD	2 pcs (1 ea)	110-Small Fab - 1	5140648
RB41011	Dart Tooling Placard, Aluminum	2 Ea (1 ea)	110-Small Fab - 1	502090

Job Allocations

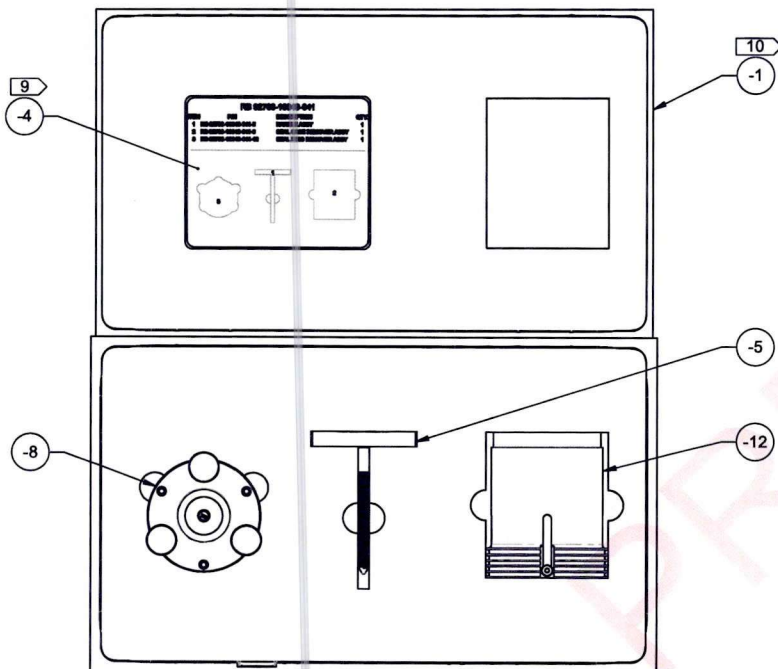
Operation	Component Part	Required	Inventory	Allocated
110-Small Fab - 1	97524A032	8	526	0
	APP-1485-E	2	2	0
	RB 92700-10349-041-12 Rev P6	2	0	0
	RB 92700-10349-041-2	2	2	0
	RB 92700-10349-041-3	2	2	0
	RB 92700-10349-041-4	2	3	0
	RB 92700-10349-041-5 Rev P6	2	0	0
	RB 92700-10349-041-8 Rev P6	2	0	0
	RB41011	2	423	0

Part Specifications

Specifications could not be found.

Plex 2/6/19 3:30 PM Dart.Macdonald.Dara

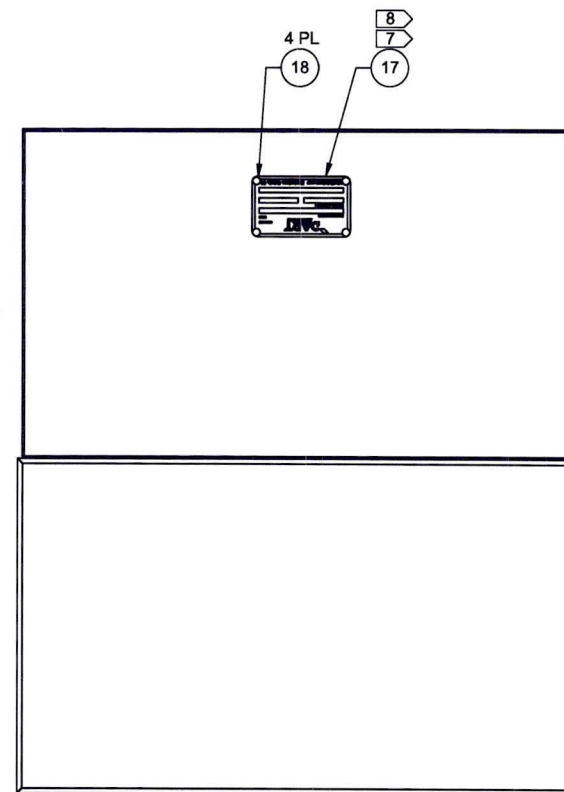
ITEM #	QTY	PART #	PART TITLE
-1	1	RB 92700-10349-041-1	PACKAGING ASSY
-4	1	RB 92700-10349-041-4	POSITION PLACARD
-5	1	RB 92700-10349-041-5	HANDLE ASSY
-8	1	RB 92700-10349-041-8	SEAL CASE REMOVER ASSY
-12	1	RB 92700-10349-041-12	SEAL RING REMOVER ASSY
17	1	RB41011	DART PLACARD
18	4	McMaster#97524A032 OR EQUIV.	ALUMINUM SEALING BLIND RIVETS 1/8" DIA. x 0.425" LG.



RB 92700-10349-041 SEAL REMOVER SET

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: ENGRAVE THE TOOL P/N & S/N ON THE DART PLACARD WHERE INDICATED
- 8) INSTALL THE DART PLACARD ONTO THE TOP OF THE CASE IN AVAILABLE AREA USING ALUMINIUM POP RIVETS
- 9) HOT GLUE THE PLASTIC PLACARD ONTO THE TOP FOAM
- 10) HOT GLUE THE TOP AND BOTTOM FOAM INTO THE CASE



A	NEW ISSUE		VM
REV.	DESCRIPTION	ECN #	BY
DESIGN	VM		
DRAWN	VM		
CHECKED			
MFG. APPR.			
APPROVED			
DATE	11/10/2018		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

TOOL PART #
RB 92700-10349-041

REV. A5

TITLE
SEAL REMOVER SET

SHEET 1 OF 17

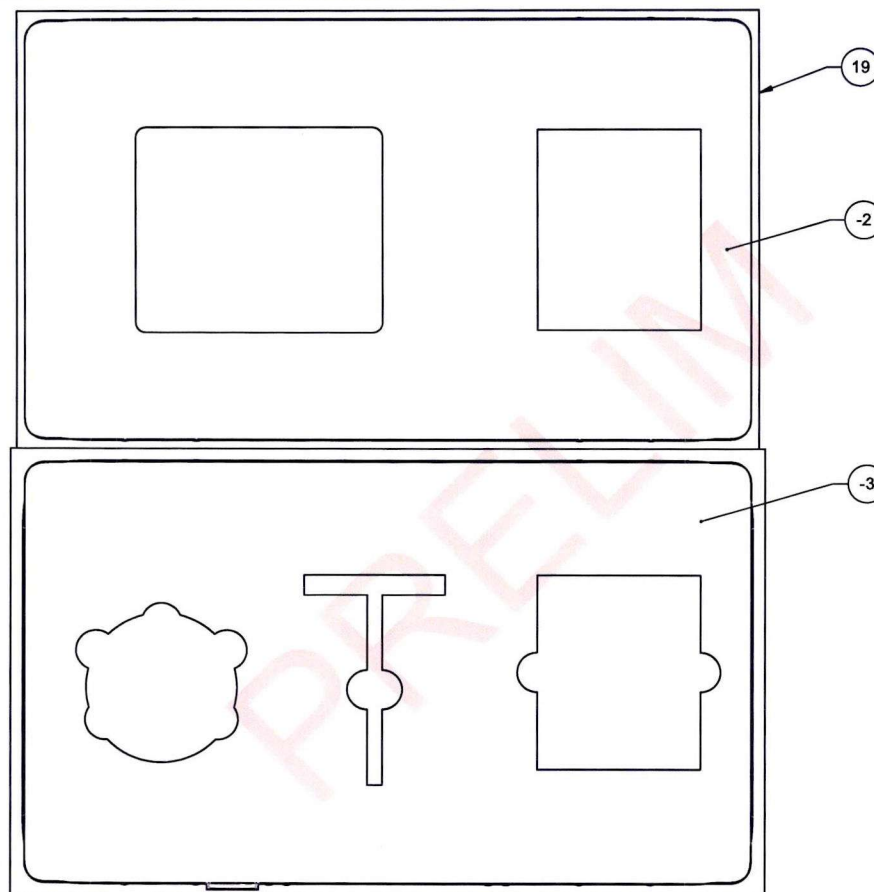
SCALE

NTS

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ITEM #	QTY	PART #	PART TITLE
-2	1	RB 92700-10349-041-2	TOP FOAM
-3	1	RB 92700-10349-041-3	BOTTOM FOAM
19	1	PELICAN #APP-1485-E	PELICAN CASE 1485

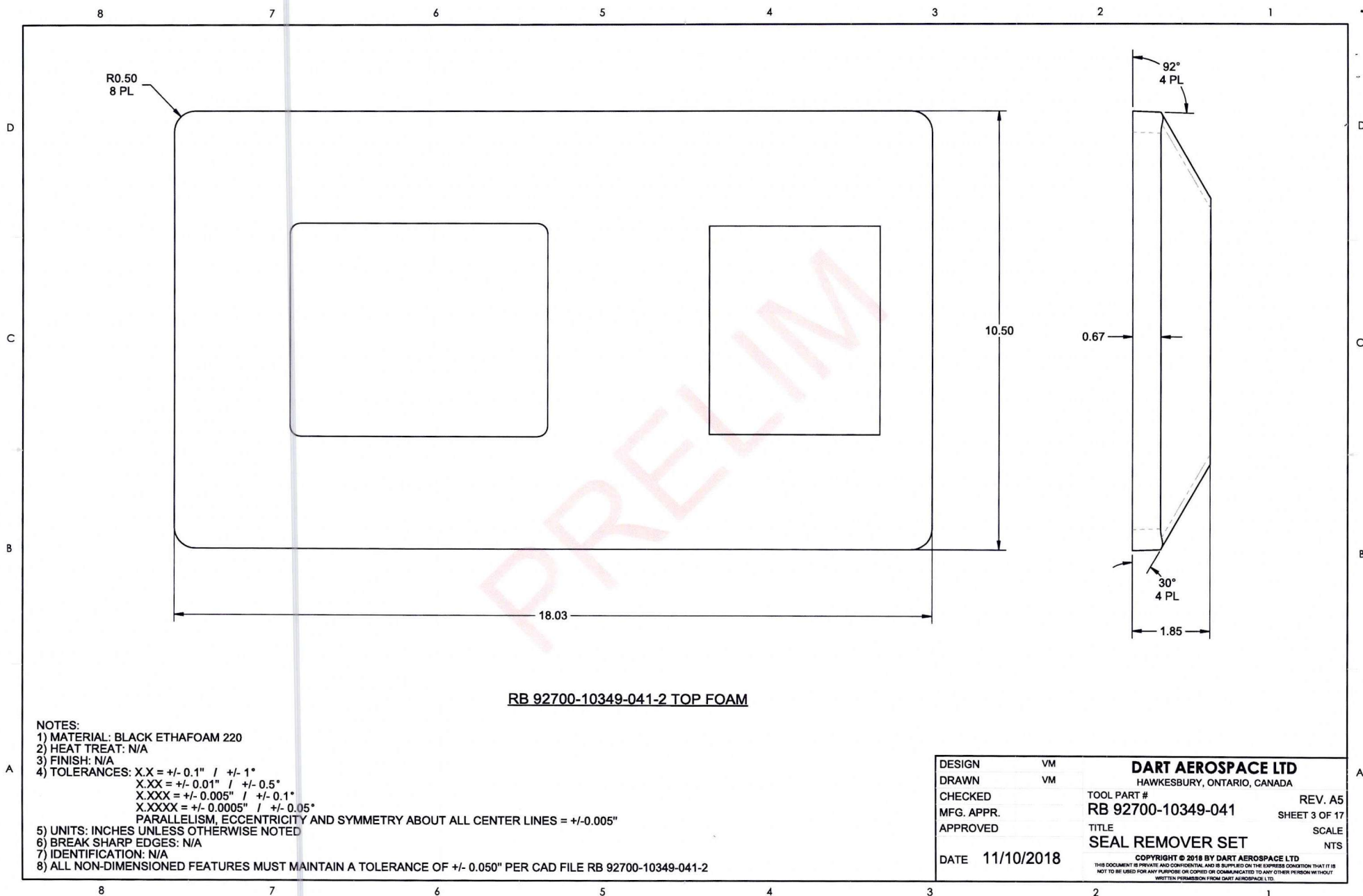


RB 92700-10349-041-1 PACKAGING ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 2 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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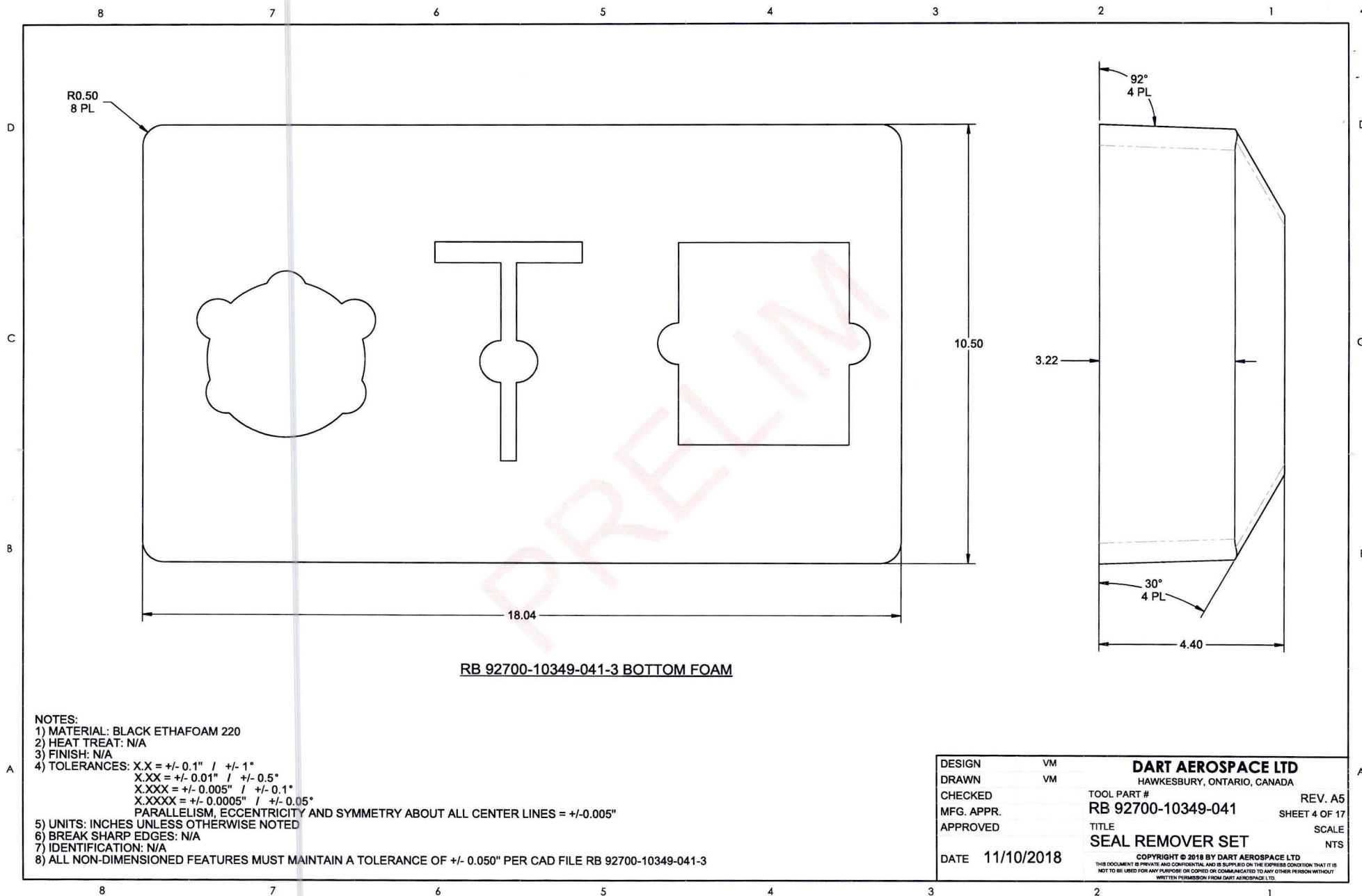


RB 92700-10349-041-2 TOP FOAM

NOTES:

- 1) MATERIAL: BLACK ETHAFOAM 220
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RB 92700-10349-041-2

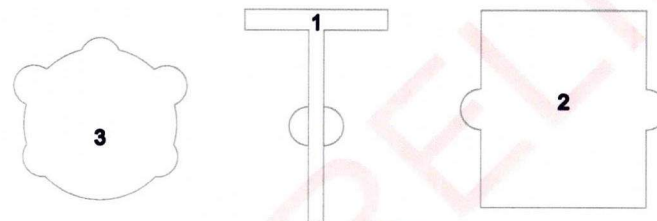
DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 3 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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RB 92700-10349-041

ITEM	P/N	DESCRIPTION	QTY.
1	RB 92700-10349-041-5	HANDLE ASSY	1
2	RB 92700-10349-041-8	SEAL CASE REMOVER ASSY	1
3	RB 92700-10349-041-12	SEAL RING REMOVER ASSY	1

5.00



6.00

RB 92700-10349-041-4 POSITION PLACARD

NOTES:

1) MATERIAL: MULTI-CRAFT PLASTICS # LM922402

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

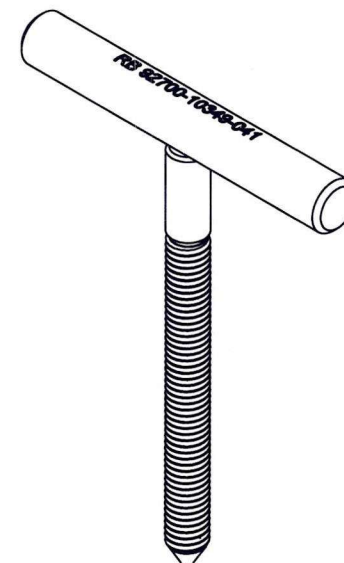
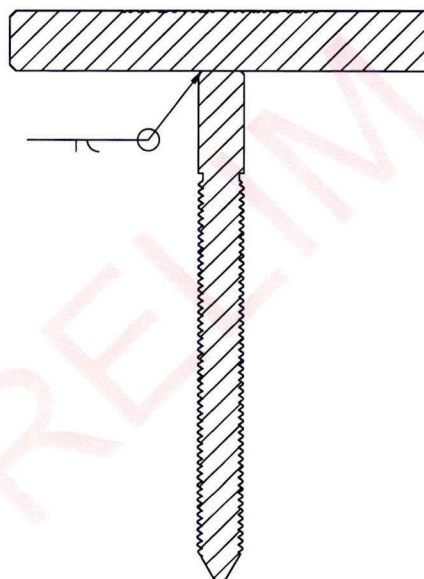
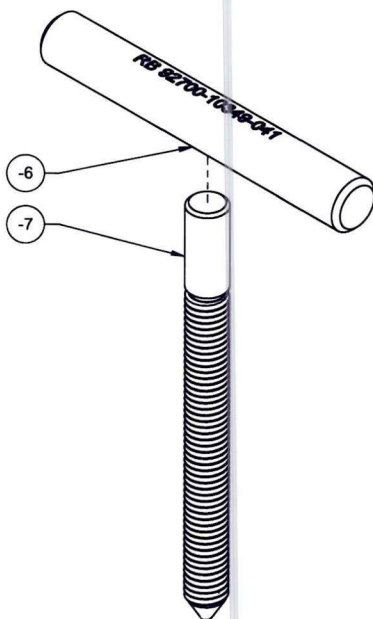
6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: N/A

8) BLACK BACKGROUND WITH WHITE LETTERS AND LINES

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 5 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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ITEM #	QTY	PART #	PART TITLE
-6	1	RB 92700-10349-041-6	HANDLE
-7	1	RB 92700-10349-041-7	ROD



RB 92700-10349-041-5 HANDLE ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1^\circ$
X.XX = $\pm 0.01"$ / $\pm 0.5^\circ$
X.XXX = $\pm 0.005"$ / $\pm 0.1^\circ$
X.XXXX = $\pm 0.0005"$ / $\pm 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A

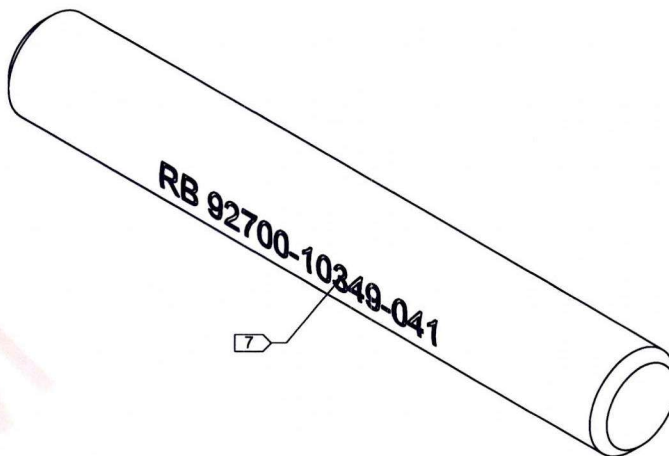
DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 6 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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RB 92700-10349-041

RB 92700-10349-041-6 HANDLE

0.05 X 45° CMF
2 PL

3.50



Ø 0.50

NOTES:

1) MATERIAL: 4140/4142 (28-32 RC)

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

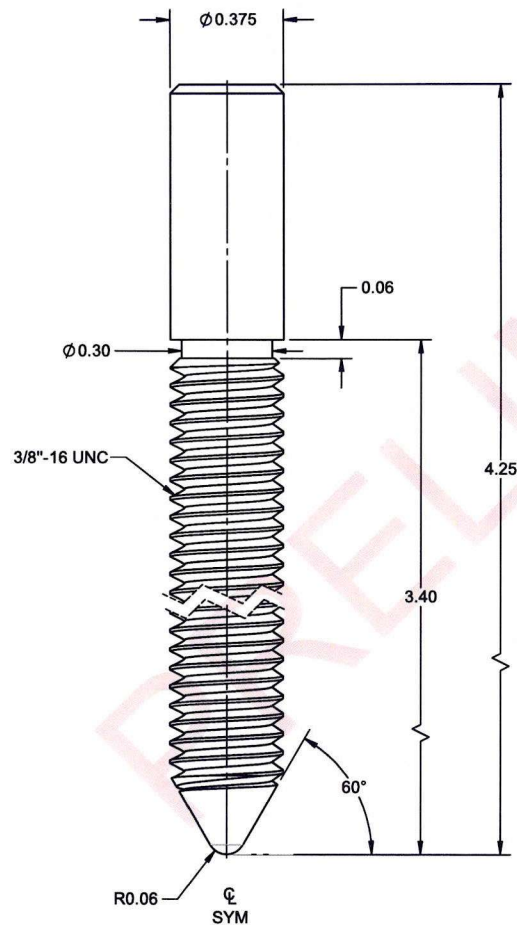
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: MACHINE ENGRAVE PER CAD MODEL AS SHOWN OR DOT MARK T/N AS SHOWN

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 7 OF 17
APPROVED		TITLE	SCALE
DATE	11/10/2018	SEAL REMOVER SET	NTS
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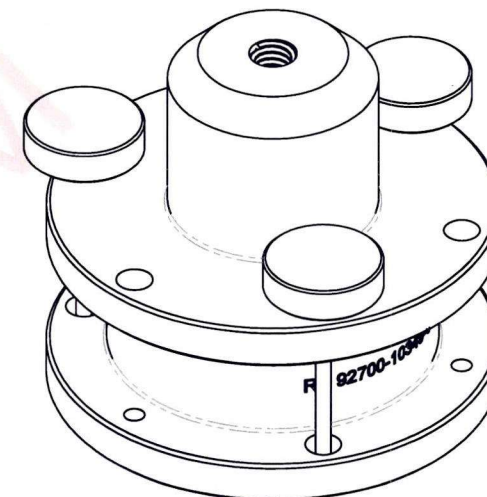
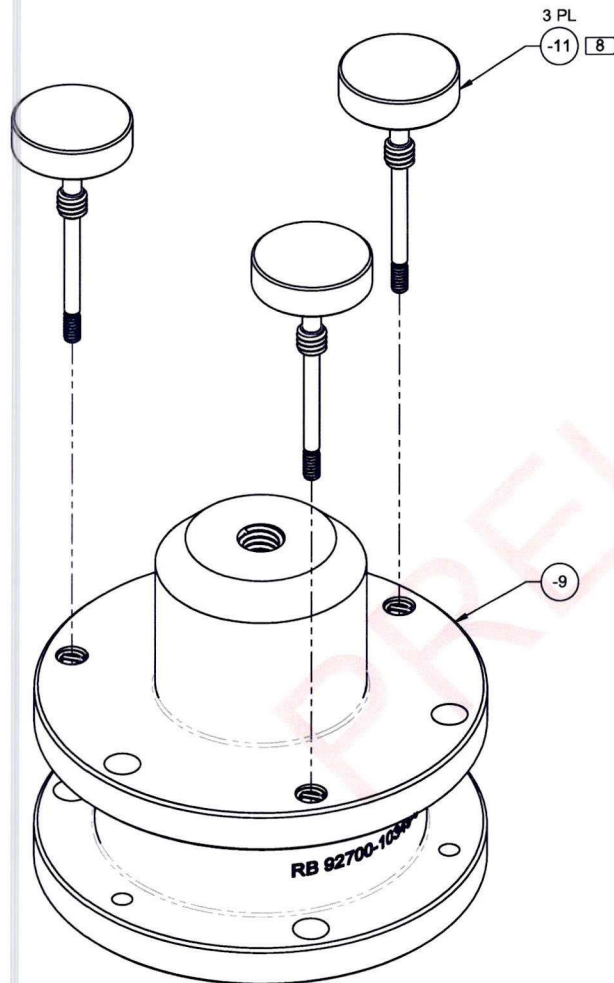
RB 92700-10349-041-7 ROD

- NOTES:
- 1) MATERIAL: 4140/4142 (28-32 RC)
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1^\circ$
 X.XX = $\pm 0.01"$ / $\pm 0.5^\circ$
 X.XXX = $\pm 0.005"$ / $\pm 0.1^\circ$
 X.XXXX = $\pm 0.0005"$ / $\pm 0.05^\circ$
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
 - 7) IDENTIFICATION: N/A

PRELIMINARY ISSUE

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 8 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
DATE	11/10/2018	COPYRIGHT © 2018 BY DART AEROSPACE LTD	
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ITEM #	QTY	PART #	PART TITLE
-9	1	RB 92700-10349-041-9	SEAL CASE REMOVER SUB ASSY
-11	3	RB 92700-10349-041-11	SCREW



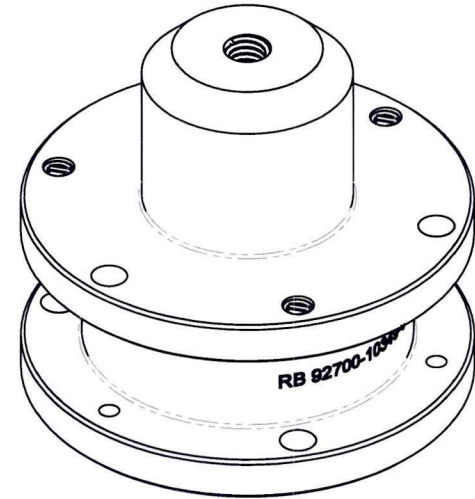
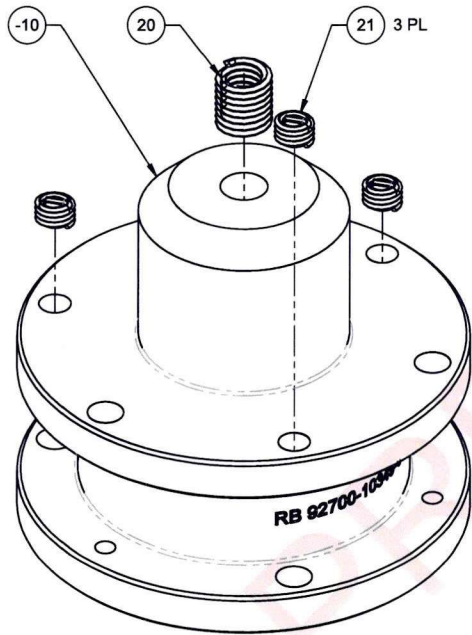
RB 92700-10349-041-8 SEAL CASE REMOVER ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) INSTALL ITEM -11 UNTIL THREADS ARE FULLY ENGAGED INTO -9

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 9 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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ITEM #	QTY	PART #	PART TITLE
-10	1	RB 92700-10349-041-10	SEAL CASE REMOVER
20	1	McMaster#91732A214 OR EQUIV	SS HELICAL INSERT 3/8"-16 x .562" LG.
21	3	McMaster#91732A368 OR EQUIV	SS HELICAL INSERT 1/4"-20 x 1/4" LG.

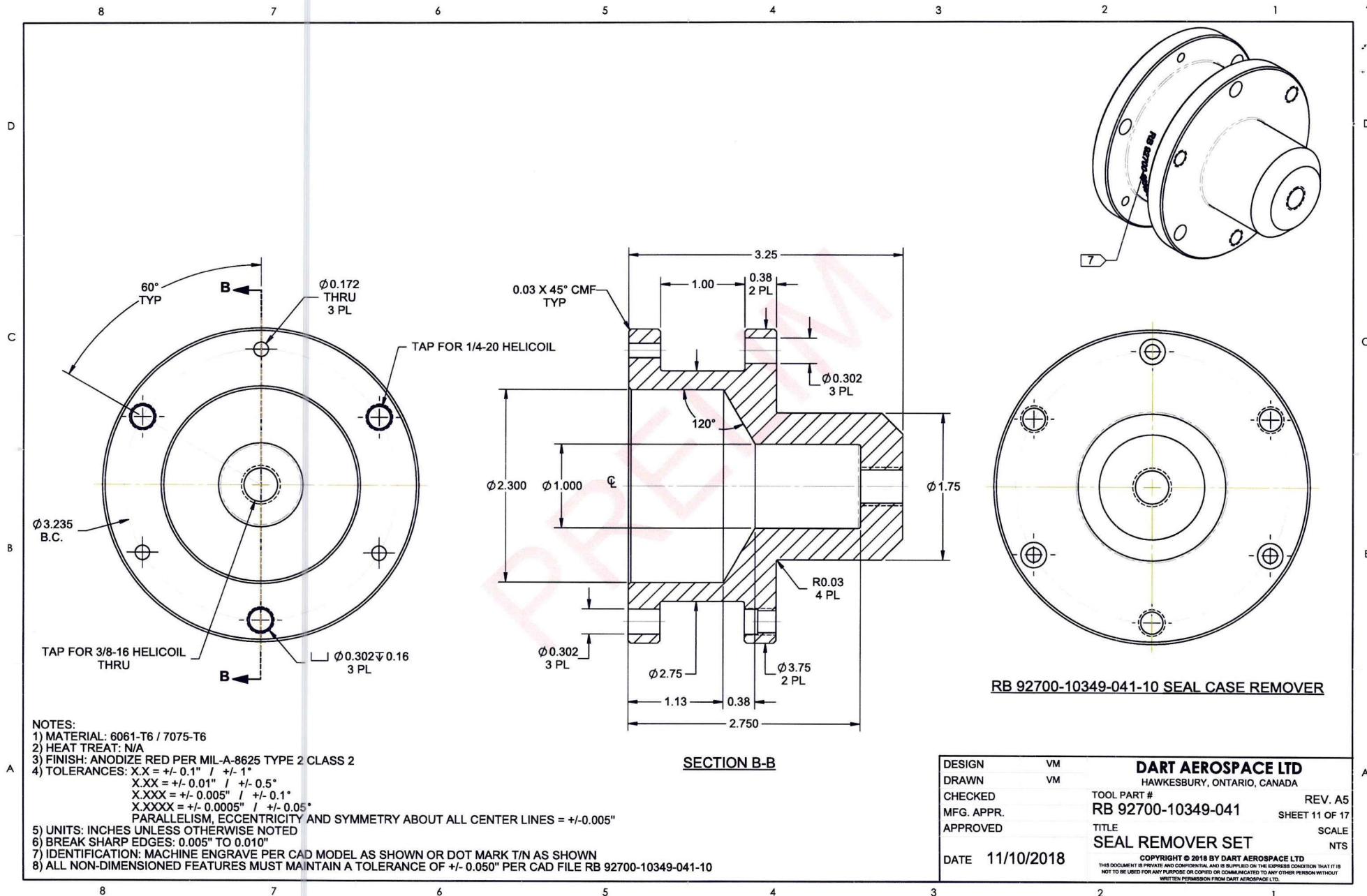


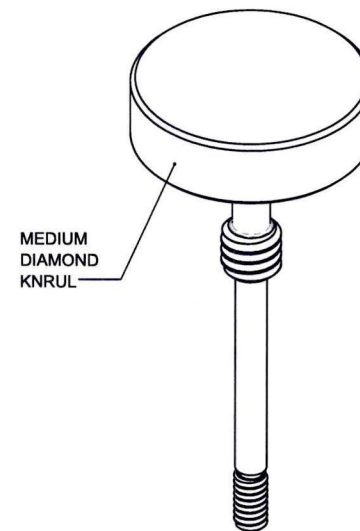
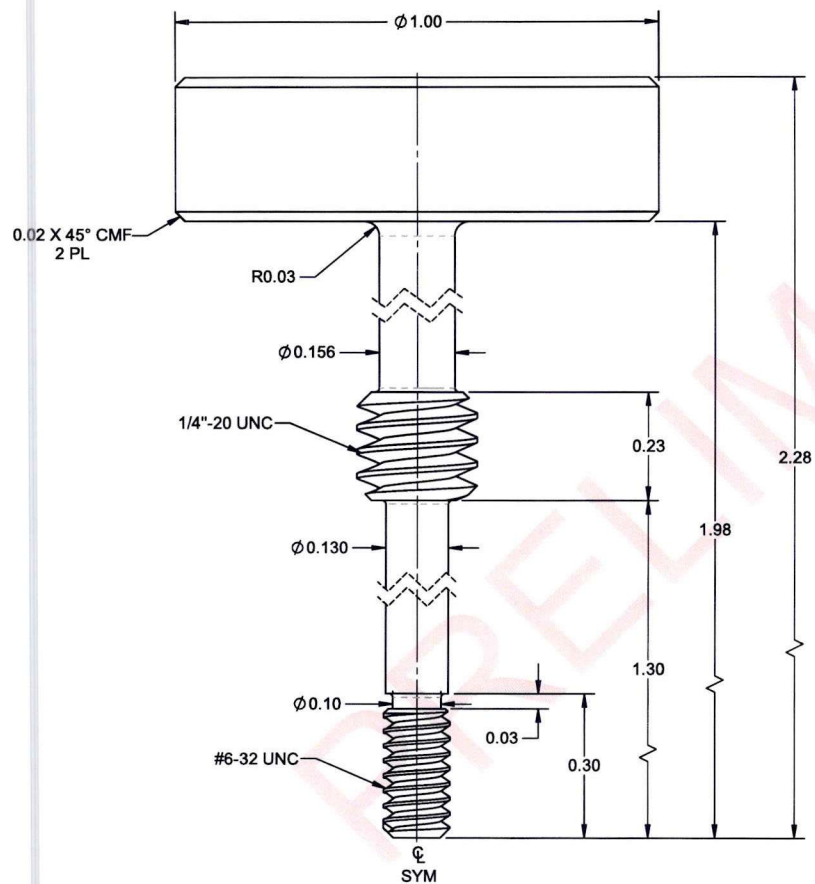
RB 92700-10349-041-9 SEAL CASE REMOVER SUB ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 10 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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RB 92700-10349-041-11 SCREW

NOTES:

1) MATERIAL: 303/304/316 STAINLESS STEEL

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

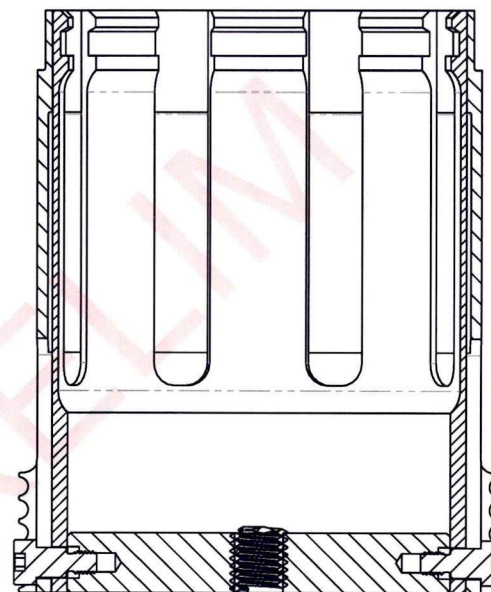
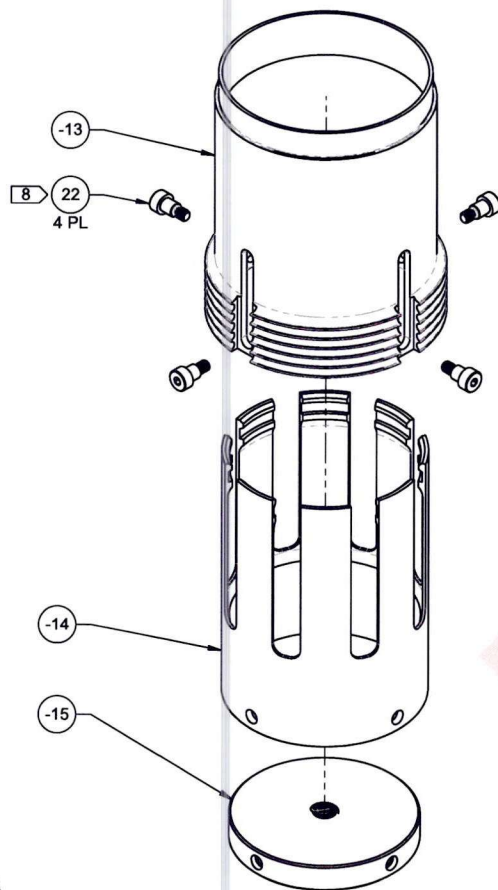
5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

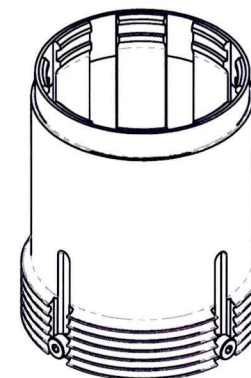
7) IDENTIFICATION: N/A

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
APPROVED		RB 92700-10349-041	SHEET 12 OF 17
DATE	11/10/2018	TITLE	SCALE
		SEAL REMOVER SET	NTS
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ITEM #	QTY	PART #	PART TITLE
-13	1	RB 92700-10349-041-13	SEAL RING REMOVER SLEEVE
-14	1	RB 92700-10349-041-14	SEAL RING REMOVER
-15	1	RB 92700-10349-041-15	PUCK ASSY
22	4	McMaster#93996A836 OR EQUIV	THREAD LOCKING SHOULDER SCREW 1/4" DIA. x 1/4" LG. SHOULDER x #10-32 THREAD

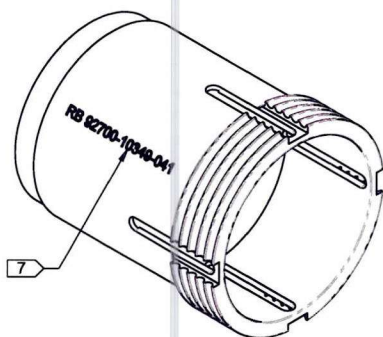
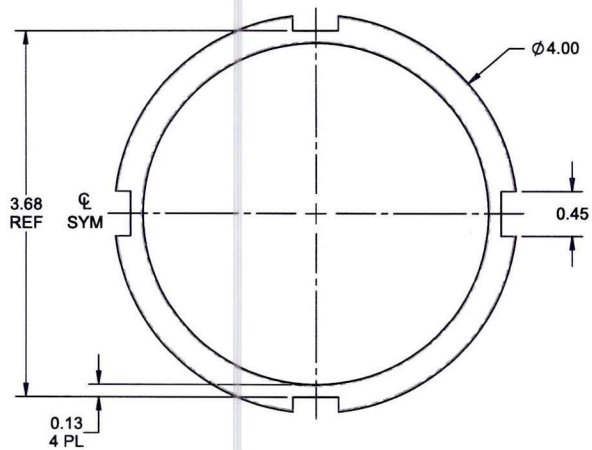


RB 92700-10349-041-12 SEAL RING REMOVER ASSY

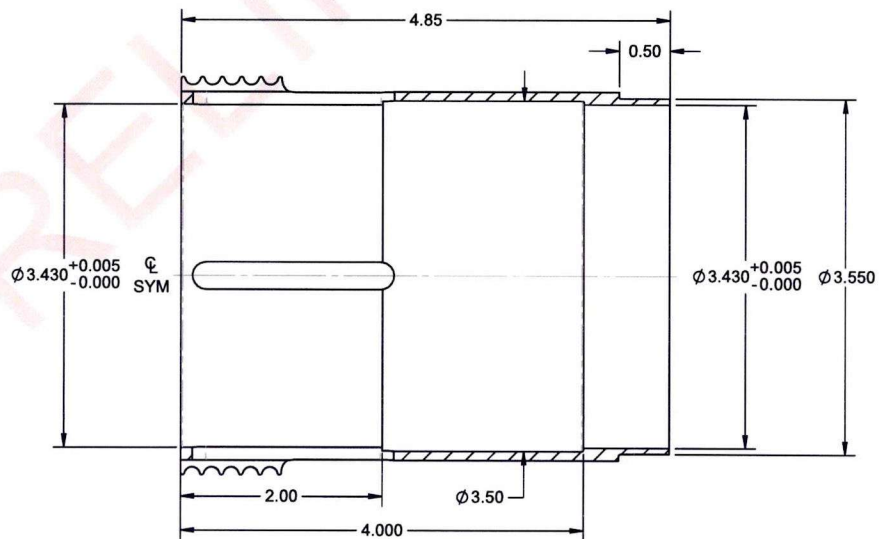
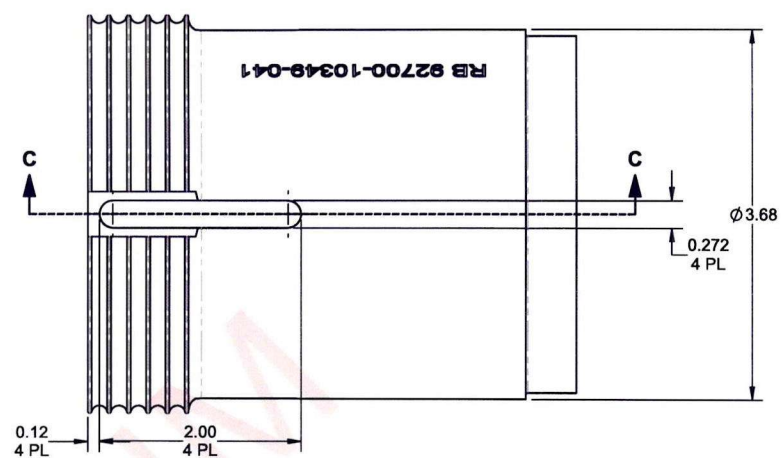


- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1^\circ$
X.XX = $\pm 0.01"$ / $\pm 0.5^\circ$
X.XXX = $\pm 0.005"$ / $\pm 0.1^\circ$
X.XXXX = $\pm 0.0005"$ / $\pm 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: N/A
 - 7) IDENTIFICATION: N/A
 - 8) ASSEMBLE AS SHOWN, TORQUE ITEM 21 12-15 IN-LBS

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 13 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
DATE	11/10/2018	COPYRIGHT © 2018 BY DART AEROSPACE LTD	
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RB 92700-10349-041-13 SEAL RING REMOVER SLEEVE

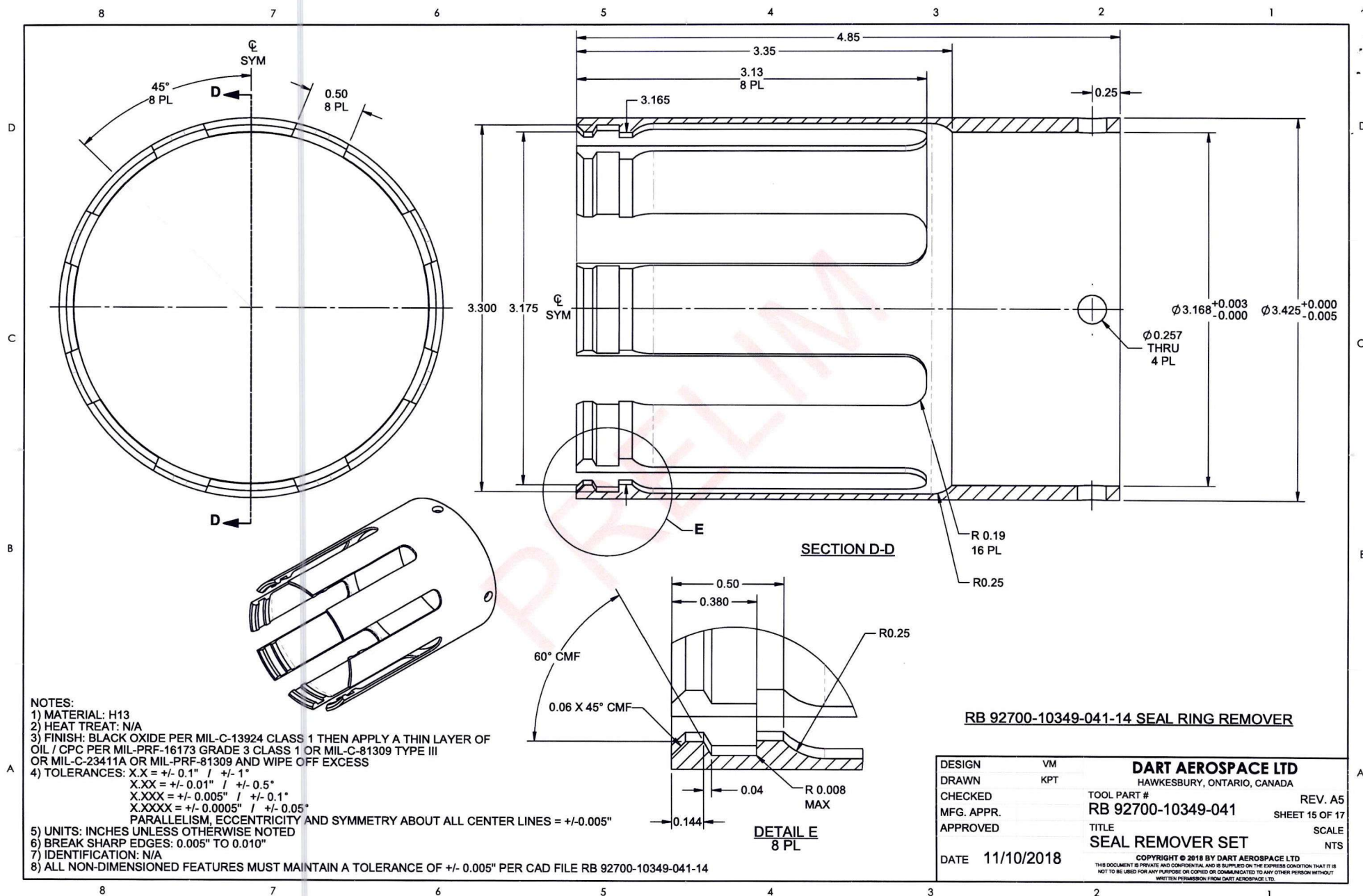


SECTION C-C

NOTES:

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: MACHINE ENGRAVE PER CAD MODEL AS SHOWN OR DOT MARK T/N AS SHOWN
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.005" PER CAD FILE RB 92700-10349-041-13

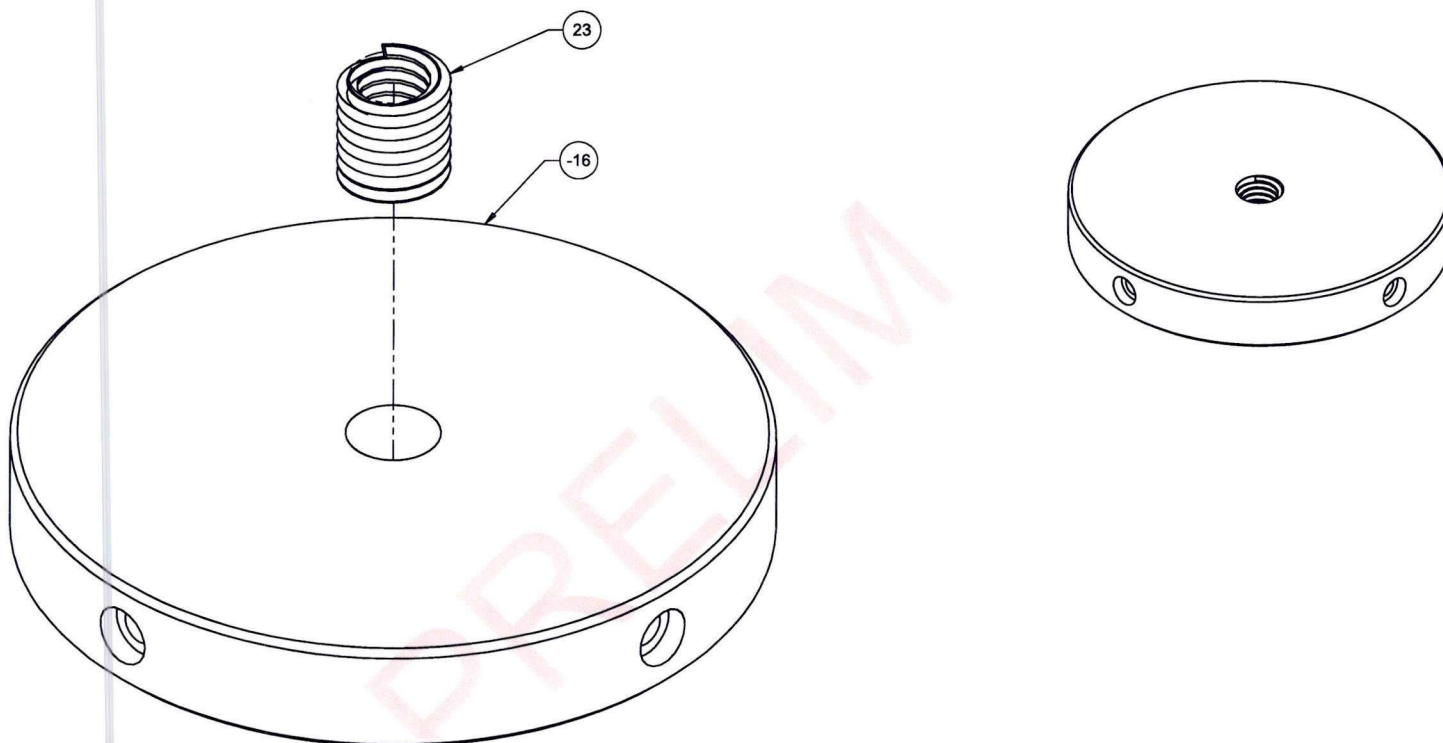
DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 14 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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RB 92700-10349-041-14 SEAL RING REMOVER

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 15 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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ITEM #	QTY	PART #	PART TITLE
-16	1	RB 92700-10349-041-16	PUCK
23	1	McMaster#91732A214 OR EQUIV	SS HELICAL INSERT 3/8"-16 x .562" LG.



RB 92700-10349-041-15 PUCK ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

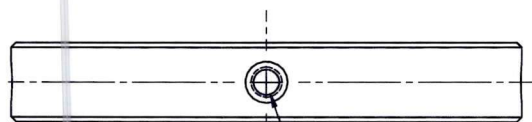
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

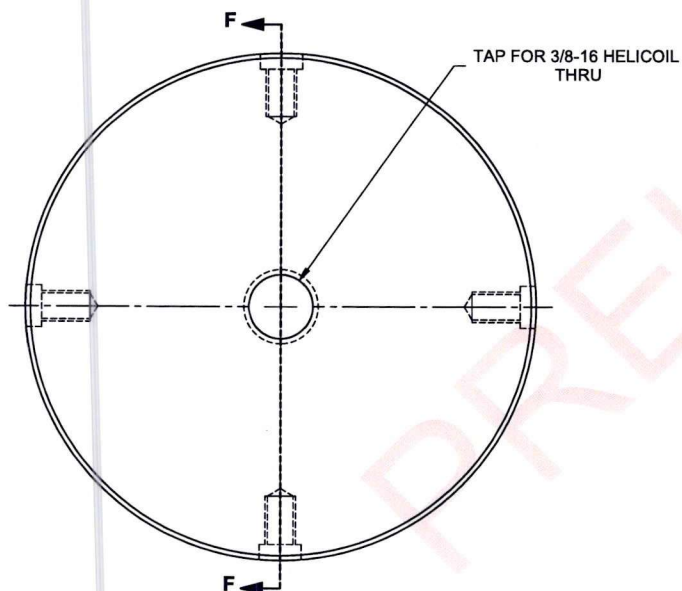
6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 16 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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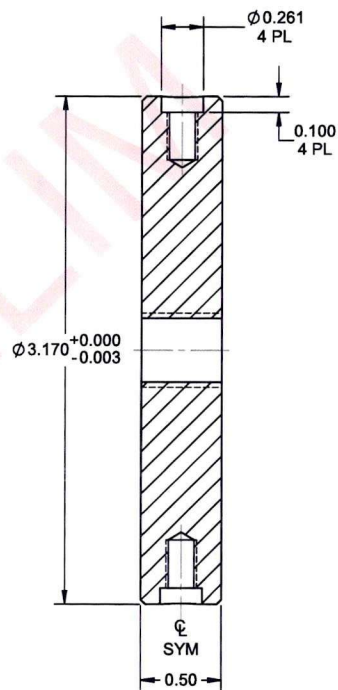


10-32 UNF ∇ 0.40
4 PL

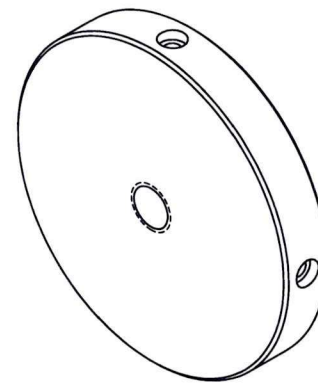


TAP FOR 3/8-16 HELICOIL
THRU

RB 92700-10349-041-16 PUCK



SECTION F-F



NOTES:

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1^\circ$
X.XX = $\pm 0.01"$ / $\pm 0.5^\circ$
X.XXX = $\pm 0.005"$ / $\pm 0.1^\circ$
X.XXXX = $\pm 0.0005"$ / $\pm 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		TOOL PART #	REV. A5
MFG. APPR.		RB 92700-10349-041	SHEET 17 OF 17
APPROVED		TITLE	SCALE
		SEAL REMOVER SET	NTS
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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details: _____					